SUMMARY TEST DATA
ON
SWITCH FILTER BANK

Customer	:
SO No	:
Model No	: **4SFB-2G6G-CD-5-N12-SFF-HSS**
Serial No	: **PL8132/1037**

Tested By	: **S. Palacio/J. Smith**
Temperature	: **+25°C**
Date	: **10/19/10**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Pass band Frequency Range:	2 GHz – 6 GHz	Pass	
2	Pass band Bandwidth:	1 GHz @ each channel	See plots	
3	Insertion Loss:	5 dB Max	See plots	
4	Impedance:	50 OHMS	Pass	
5	Switching Speed:	100ns MAX.	Pass	
6	Pass band VSWR:	2.0:1 Max	See plots	
7	Control Line:	TTL, 2 Lines	Pass (See Truth Table)	
8	DC Supply:	+5VDC:200mA Max -15VDC:200mA Max	+5VDC: 50mA -15VDC: 50mA	
9	Stop band Freq. and Attenuation	15% of corner freq., 60 dB Min	See plots	

TTL Truth Table

CTL 1	CTL 2	Filter Path
0	0	2 – 3 GHz
0	1	3 – 4 GHz
1	0	4 – 5 GHz
1	1	5 – 6 GHz

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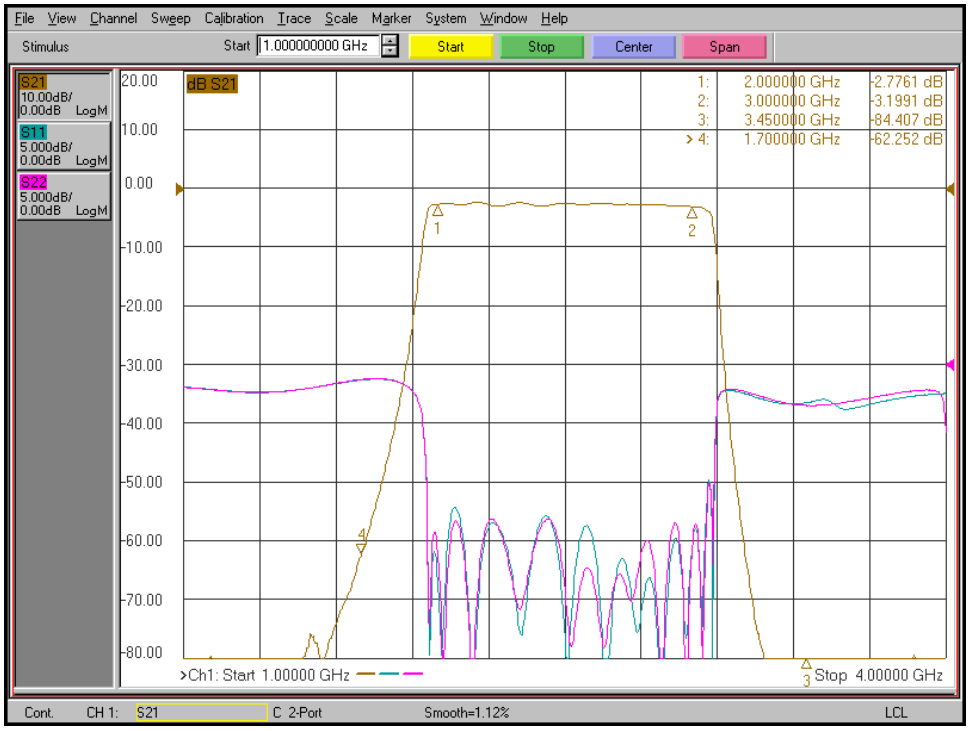
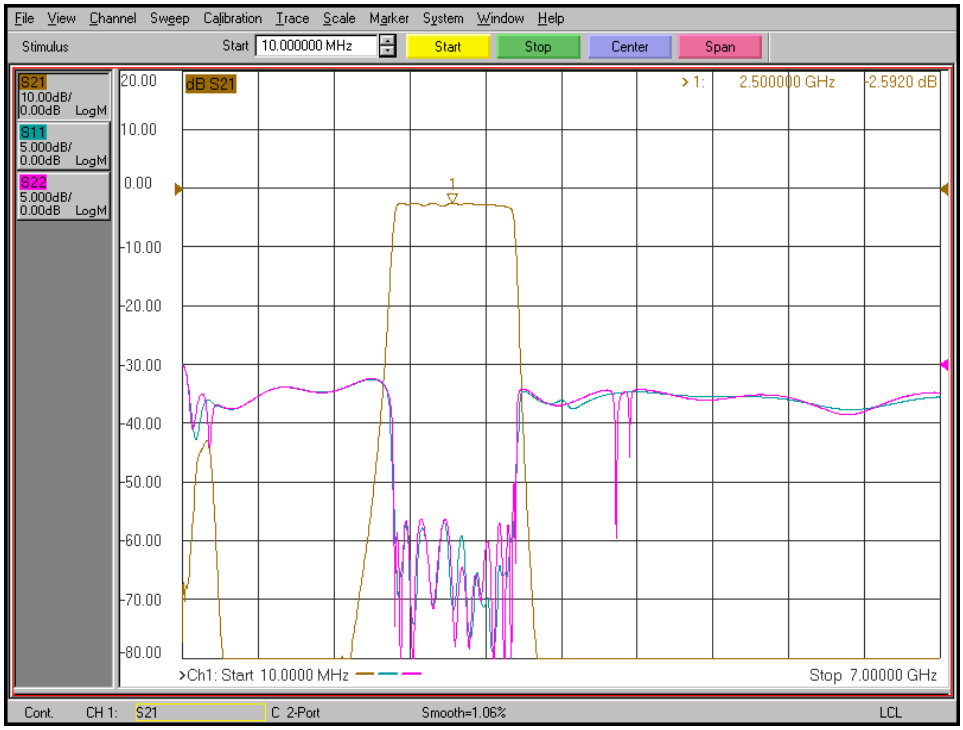
Filter 1 (2 – 3 GHz)
60 dB Rejection @ 1.7 & 3.45 GHz





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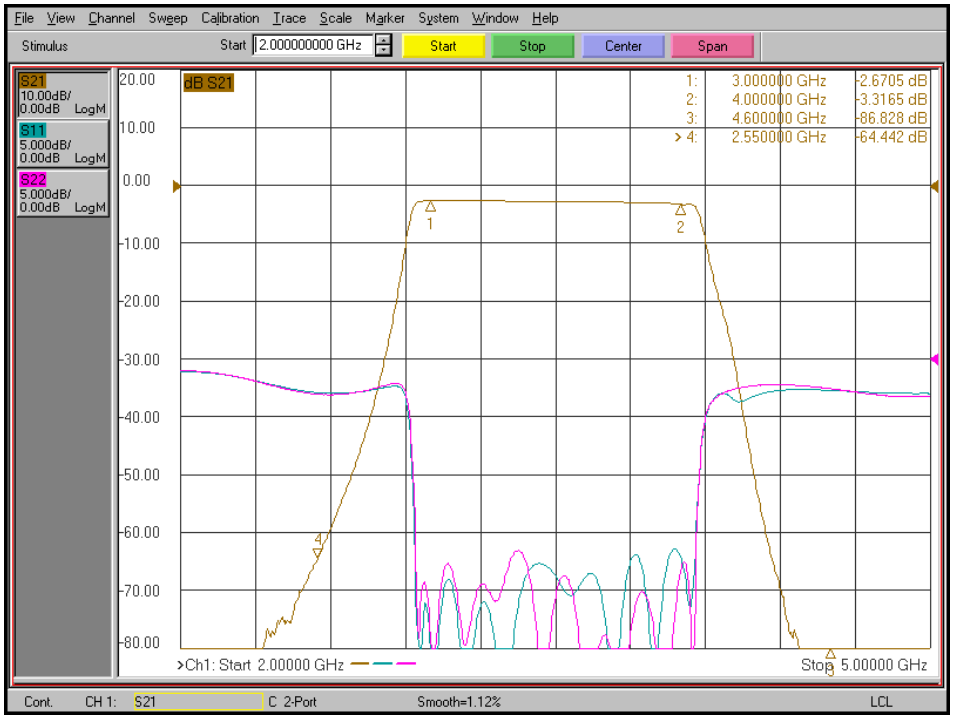
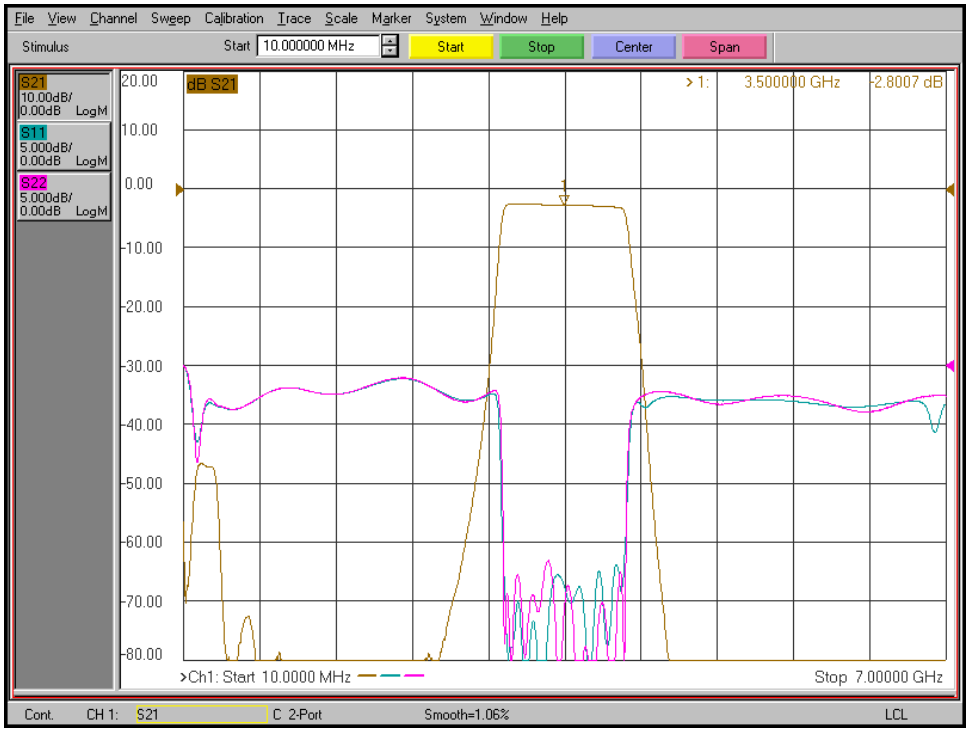
Filter 2 (3 – 4 GHz)
60 dB Rejection @ 2.55 & 4.6 GHz





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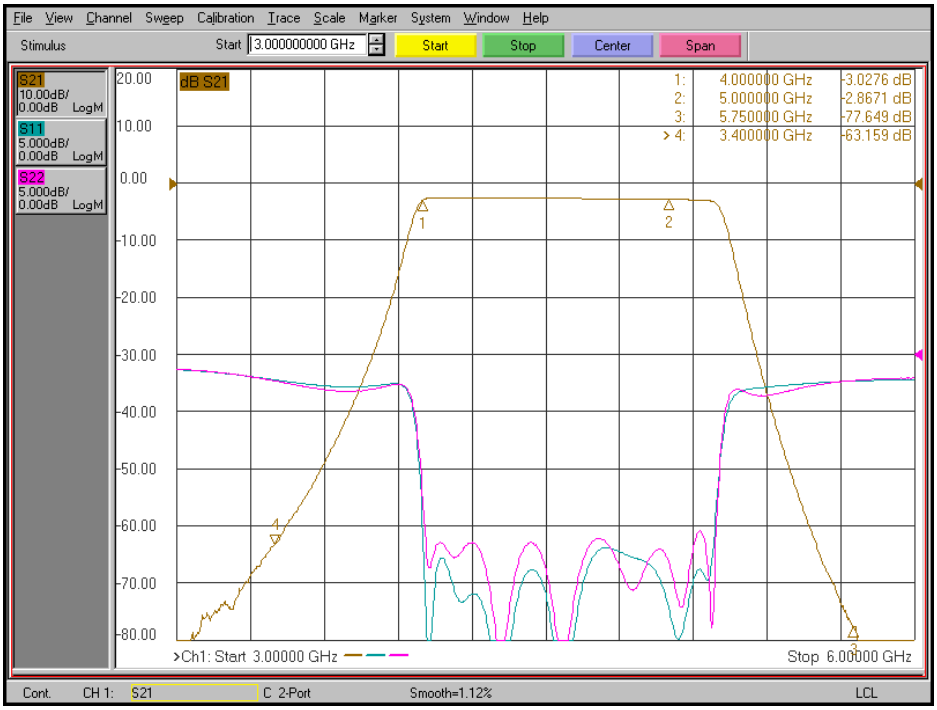
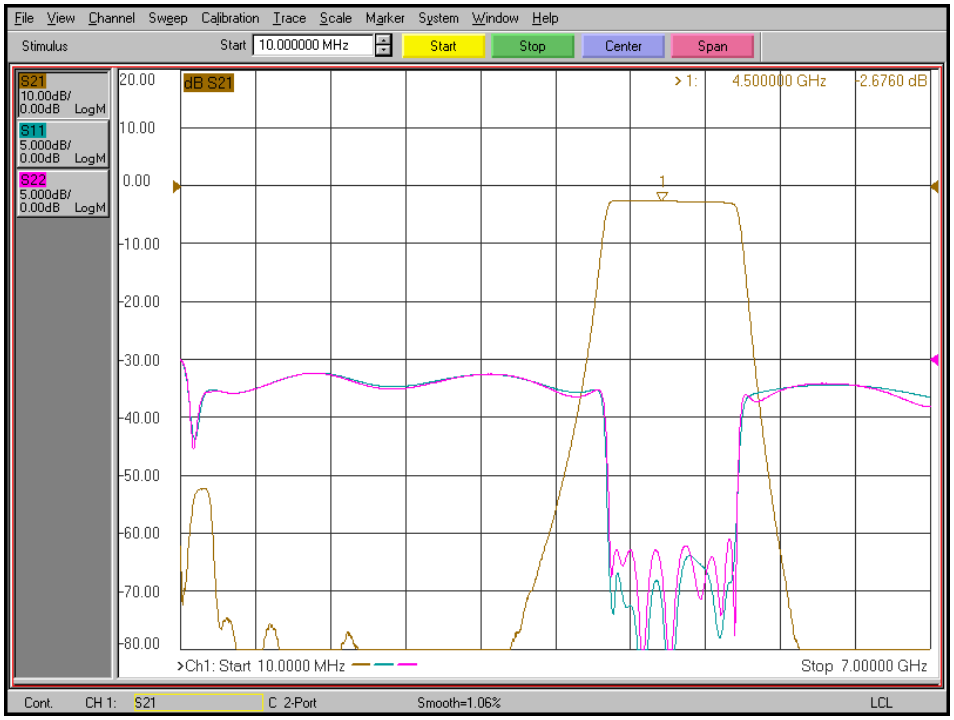
Filter 3 (4 – 5 GHz)
60 dB Rejection @ 3.4 & 5.75 GHz





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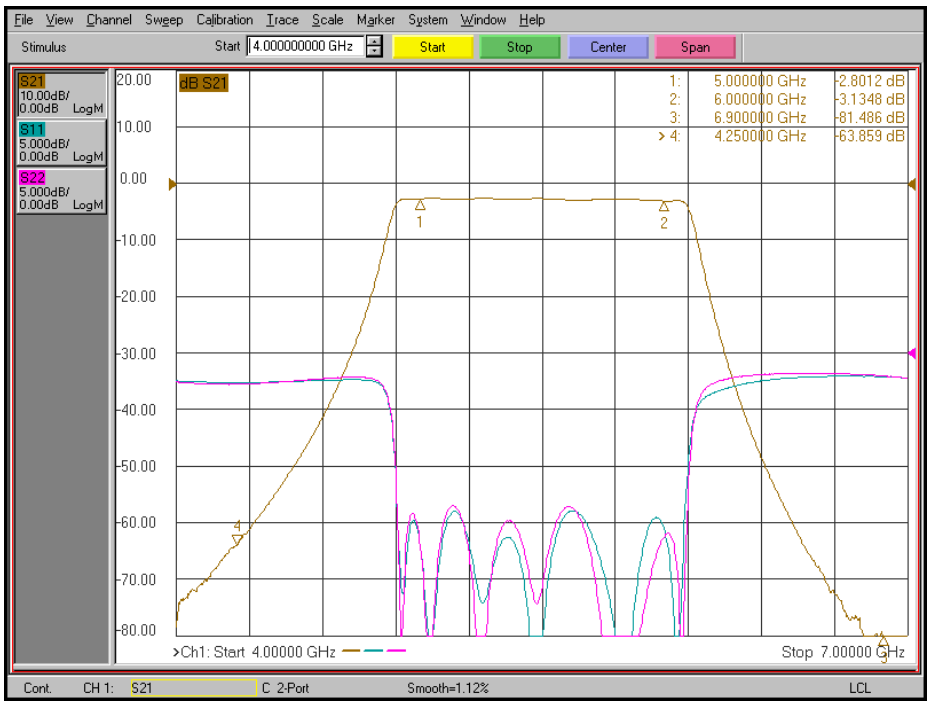
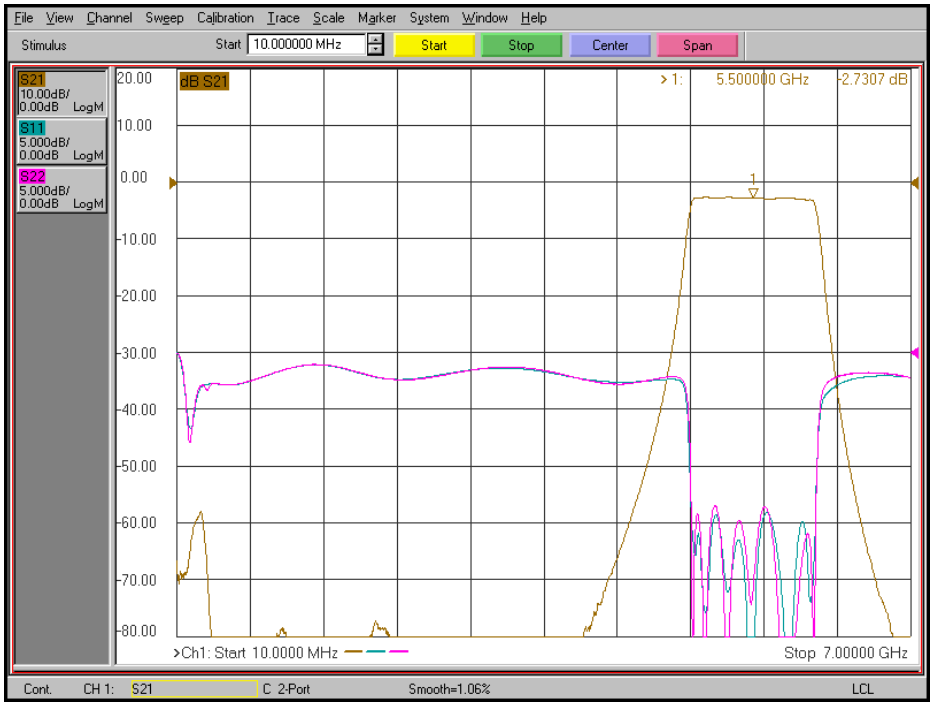
Filter 4 (5 – 6 GHz)
60 dB Rejection @ 4.25 & 6.9 GHz





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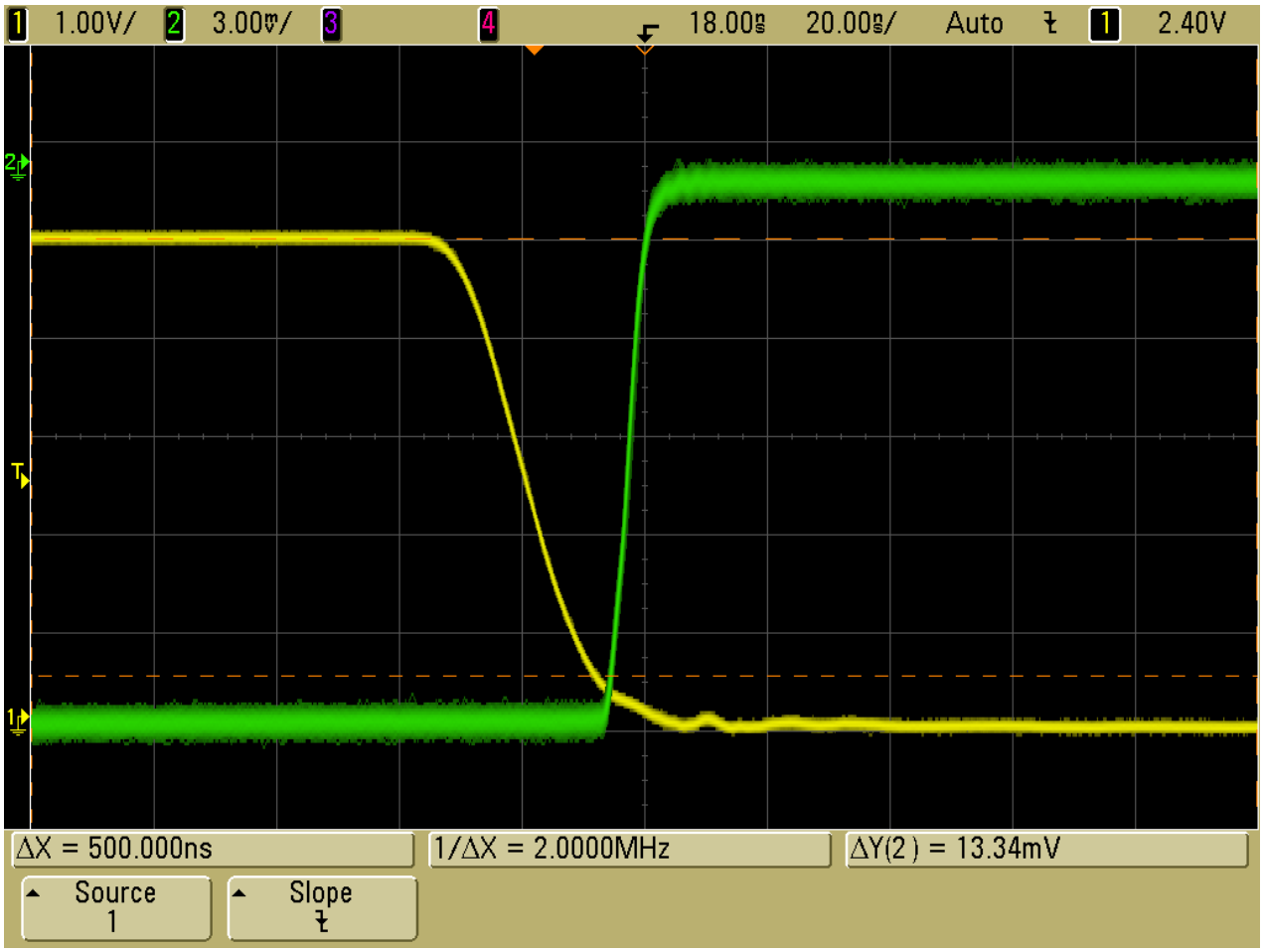
SWITCHING SPEED (TYP.)
OFF (USING CRYSTAL DETECTOR)



20nS 50%TTL to 90%RF

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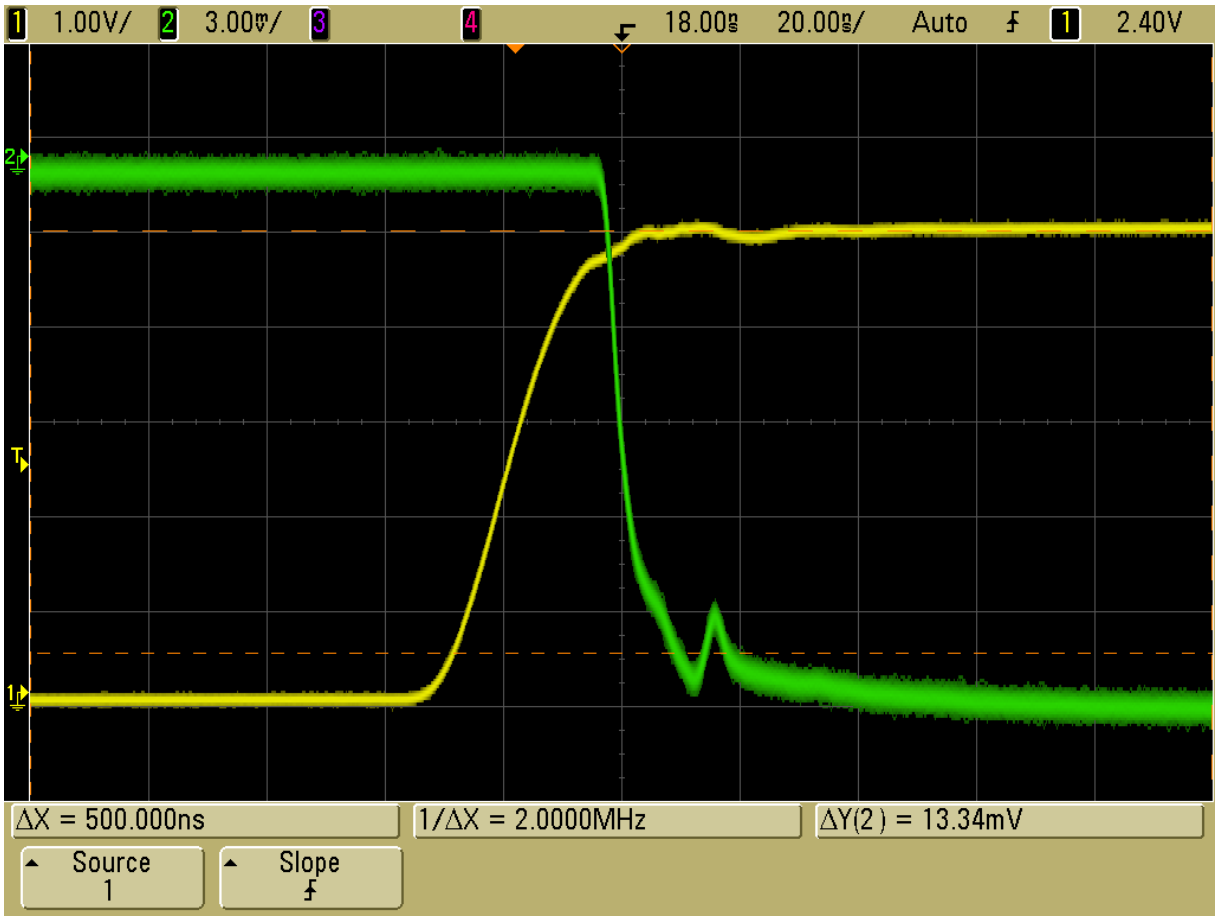
SWITCHING SPEED (TYP.)
ON (USING CRYSTAL DETECTOR)



40nS 50%TTL to 90%RF

Production Manager Approval: _____Date: _____

QA/QC Approval: _____Date: _____

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